



# भारत का राजपत्र

## The Gazette of India

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नई दिल्ली, शनिवार, अप्रैल 1, 1972 (चैत्र 12, 1894)

No. 14]

NEW DELHI, SATURDAY, APRIL 1, 1972 (CHAITRA 12, 1894)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE

#### Patents and Designs

Calcutta, the 1st April 1972

#### NOTICE

The order issued by the Controller of Patents & Designs on the 15th March, 1972 in exercise of the powers conferred on him by sub-section (2) of Section 78D of the Indian Patents & Designs Act, 1911 is reproduced below for the information of the public :—

OFFICE OF THE CONTROLLER-GENERAL OF PATENTS, DESIGNS AND TRADE MARKS

Bombay-20, the 15th March 1972

#### ORDER

In exercise of the powers conferred on the Controller by sub-section (2) of Section 78D of the Indian Patents and Designs Act, 1911 (2 of 1911) and in continuation of my orders dated the 28th June, 1969, the 26th December, 1969, the 2nd July, 1970 and the 30th June 1971, I, S. Vedaraman, Controller of Patents and Designs, hereby extend in respect of every application referred to in sub-sections (1) and (5) of Section 78B and in sub-sections (1) and (4) of Section 78C of the said Act the period specified in the said Act, on the expiry of which,—

- (i) such application for patent shall be deemed to have been refused,
  - (ii) the patent applied for in such application shall not be sealed,
- upto and including the 10th day of July, 1975.

S. VEDARAMAN  
Controller of Patents & Designs.

#### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

13th March 1972

134908. Orissa Cement Limited. Concrete aggregates for manufacture concrete articles.
134909. Orissa Cement Limited. Benefeciation of magnesite.
134910. Haarmann & Reimer Gesellschaft mit beschränkter Haftung. A process for the production of aromatic hydro-yaldehydes.
134911. Universal Oil Products Company. Hydrocracking process.
134912. Imperial Chemical Industries Limited. New colouration process, (15th December 1971).
134913. Morton-Norwich Products, Inc. 1-(substituted benzyl)-2-(1H) pyrimidones and 1-(substitutedbenzyl) tetrahydro-2-(1H) pyrimidones.
134914. Rotablock Limited. Block for use in the construction of a suspended roof or wall system, (28th April 1970), [Divisional date 20th April 1971].
134915. Sailen Kumar Sen. A special volume adjustable container.
134916. Mrs. Nargis Samy Engineer. Improvements in and relating to stand for holding notes, drawings etc.
134917. The Gujarat Rubber Works Ltd. Improvement and modification in the method of manufacture of rubber cork, or stopper, or like.
134918. V. T. Sharma. Improvement in or relating to silos for storing materials.
134919. Council of Scientific and Industrial Research. A strain gauge breathing transducer.
134920. P. A. Dunbar. A mechanism to fill bags with hot liquifiable material.

## 14th March 1972

134921. I. R. Ahuja. Magnifying the photo on a television screen i.e. receiving the picture on screen five times the size of the screen.
134922. Union Carbide Corporation. Process for recovery of vanadium-values from ferrophosphorus and/or ferrophosphorus mixtures.
134923. Farbenfabriken Bayer Aktiengesellschaft. New esters, their production, and their medicinal use.
134924. Farbenfabriken Bayer Aktiengesellschaft. New esters, their production, and their medicinal use.
134925. Farbenfabriken Bayer Aktiengesellschaft. Process for the production of new esters and their medicinal use.
134926. Harold Holloway. Process and apparatus for forming layers of setting plastics materials.
134927. U. S. Patil. Process of making celophane and plastic from onion.
134928. A. Rashid. Improved design of iron stove used for room heating purpose, (locally known as bukhari) having combustion direction downwards.
134929. Siemens Aktiengesellschaft. A process for controlling a pulse width modulated inverter.
134930. The Dow Chemical Company. Apparatus and method for tamping particulate materials into a container.
134931. I. B. Peshkov and V. T. Pivnenko. Electric wire and measuring instrument sensitive element made of this wire.
134932. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Herbicidal agents.
134933. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Novel steroids.
134934. The Upjohn Company. Lincomycin derivatives and process for preparing the same. [Addition to No. 103472].

## 15th March 1972

134935. Council of Scientific and Industrial Research. A process for making from coco-peat (coir-dust) a first class vegetable tan-stuff.
134936. Union Carbide India Limited. Pneumatic wind direction transmitter.
134937. N. V. Meubelfabriek "Deco". Improvements in or relating to kits for assembling for example a piece of furniture, a partition or toys from panels and strips.
134938. Dr. Bhaskar. Automatic door closers, title as bhaskar's automatic door closers.
134939. M. R. Reddy. Washing cans mechanically titled as "XI" straight through can washer.
134940. M. R. Reddy. Washing cans mechanically titled as XI at rotary can washer.
134941. M. R. Reddy. Washing cans mechanically titled as XI automatic can washer.
134942. D. K. Dhand. Re-usable knife, pencil sharpener.
134943. R. R. Pardasani. Improvement in or relating to cut out or fuse box or like.
134944. R. R. Pardasani. Improvement in or relating to dead front fuse units.
134945. I. R. Ahuja. Provision of pick-up points in a television set and provide pick up sets.
134946. J. Messner. Improvement in or relating to rolls for calender works, rolling mills or the like.
134947. Japan Foods Storage & Packaging Co., Ltd. A method for packing free-flowing materials into a tightly sealed shaped form and the type of packages resulted therefrom.
134948. The Western India Plywoods Ltd. A method of manufacturing jointless filter plates and/or jointless filter frameworks for use in filter presses and

filter plates and/or frameworks manufactured by said method.

134949. The Gillette Company. Improvements in or relating to razors.
134950. The Gillette Company. Razor blade unit.
134951. The Gillette Company. Package for razor blade units.
134952. Dunlop Holdings Limited. Pneumatic tyres. (16th March 1971). [Addition to No. 131738].
134953. B. N. Sheth. An ash tray.

## 16th March 1972

134954. M. D. Thomas. Rubtex paint.
134955. J. K. Chemicals Limited. A process to recover metallic zinc dust in substantially pure form from materials containing zinc compounds.
134956. Union Carbide Corporation. Process and furnace charge for use in the production of ferrosilicon alloys. [Addition to No. 129273].
134957. National Patent Development Corporation. Building structure.
134958. Joseph Lucas (Industries) Limited. Electric switches. (20th March 1971).
134959. Miles Laboratories, Inc. Production of soluble protein.
134960. Australian Wire Industries Proprietary Limited. Primary water quench (16th March 1971).
134961. Ciba-Geigy AG. New methyloxyglycidyl ethers and process for their manufacture.
134962. Sigma-Tau Industrie Farmaceutiche Riunite S.p.A. A device for separately containing two products, particularly medicinals, and allowing the immediate mixing thereof on use time.

## 17th March 1972

134963. Council of Scientific and Industrial Research. A method of preparing a photoemulsion suitable for printed circuits.
134964. Council of Scientific and Industrial Research. Improvements in or relating to the manufacture of garlic powder.
134965. Dr. S. P. Potnis and D. C. Salkar. A process for the chlorination of styrene-butadiene rubber (SBR).
134966. C. J. Titus. Ecomini conditioner.
134967. N. J. Mehta. Pocket nurse.
134968. Imperial Chemical Industries Limited. Fuse cord. (17th March 1971).
134969. Miles Laboratories, Inc. Soluble protein production.
134970. Uss Engineers and Consultants, Inc. Apparatus for determining correct pyrometer readings with steam interference present.
134971. Sealed Air Corporation Method and apparatus for the manufacture of cellular material for cushioning and other purposes.
134972. Harvest Queen Mill & Elevator Company Method of beneficiating ores by froth flotation. [Divisional date 30th December 1971].
134973. Etat Francais Minister-in-Charge of National Defence Propulsive compositions.
134974. Vsesojuzny Nauchno-Issledovatel'sky Institut Khimicheskikh Sredstvy Zashchity Rasteniy. Method for preparing substituted benzimidazoles and their uses.
134975. Wilhelm Stahlecker G.m.b.H. Break-or open-end spinning rotor or turbine. (27th January 1972).
134976. Nippon Kokan Kabushiki Kaisha. Method for controlling the amount of silicon contained as in impurity in high carbon ferrochromium.
134977. R. L. Paranjpe. An improved operation table top raising and lowering device.

## Alteration of Date

132725. Ante-dated to 20th July 1970 under Section 5 of the Act.
134517. Ante-dated to 4th June 1970 under Section 5 of the Act.
134533. Ante-dated to 4th June 1970 under Section 5 of the Act.
134534. Ante-dated to 4th June 1970 under Section 5 of the Act.
134558. Ante-dated to 8th September 1970 under Section 5 of the Act.
134559. Ante-dated to 8th September 1970 under Section 5 of the Act.
134630. Ante-dated to 4th June 1970 under Section 5 of the Act.
134754. Ante-dated to 9th June 1970 under Section 5 of the Act.
126945. The claim to priority date 12th June 1969 has been abandoned and the application dated as of 4th June 1970, the date of filing in India.
129685. The claim to priority date 23rd December 1969 has been abandoned and the application dated as of 21st December 1970, the date of filing in India.
129710. The claim to priority date 30th December 1969 has been disallowed and the application dated as of 23rd December 1970, the date of filing in India.
128362. The claim to priority date 12th March 1970 has been disallowed and the application dated as of 10th September 1970, the date of filing in India.

## Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patent's Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933 of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8 Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

126854. Imperial Chemical Industries Limited. Pesticidally active compounds and compositions containing them. Accepted on 28th February, 1972.

*Comprising 3-cyano-5-nitropyridine compounds substituted in the 2-position by a halogen or a hydroxy group or ether derived therefrom, mercapto group or this ether derived therefrom, sulphenyl this group, substituted or unsubstituted amino group, N-containing heterocyclic group and a carrier.*

126868. P. S. Thorat. A road vehicle provided with sleeping berths. Accepted on 1st March 1972.

*Comprising body, wheels, one or more tiers consisting of plurality of berths, means providing access to the said berths, either of the sides being formed consider when pulled out at the hinge.*

126887. Sankyo Company Limited. Ester of chrysanthemic acid, process for the preparation thereof and insecticidal compositions containing them. Accepted on 1st March 1972.

*Reacting a 2, 3-dihydro-3-benzofuranol derivative with chrysanthemic acid.*

126945. Imperial Chemical Industries Limited. Complex phosphates of aluminium and their preparation. Accepted on 4th March, 1972.

*Comprising interacting an aluminium compound with a hydroxy compound R-OH and phosphoric acid or a compound capable of forming phosphoric acid and when R in the hydroxy compound R-OH is hydrogen, isolating the complex phosphate.*

126969. Murex Welding Processes Limited. Improvements in arc welding. (10th June 1969). Accepted on 6th March 1972.

*Electrode has a diameter 0.054 inches, including maintaining an arc voltage in the range from 18 to 24 volts, an arc current in the range from 80 to 140 amps, and an arc voltage current characteristic having a slope appropriate to the electrode being used.*

126975. Inmont Corporation. Process for the production of flexible microporous water-vapour permeable sheet material and product obtained thereby. Accepted on 8th March 1972.

*Comprises treating the sheet surface by contacting with discrete particles of a plastic polymer solution in a solvent for the surface polymer, said solution containing dispersed pigment and bringing the surface carrying the solvent, before removal of the solvent, to an elevated temperature to collapse microporous structure at said surface.*

126997. Trident Industries, Inc. Expandable drill bit and reamer construction. Accepted on 9th March, 1972.

*Comprising a body having lower end in which one drilling teeth adjustably mounted to be moved outwardly or radially to maintain a desired width.*

127001. Laporte Titanium Limited. Improvements in and relating to the manufacture of titanium dioxide. (10th June 1969). Accepted on 8th March 1972.

*Comprising of reacting titanium tetrachloride with an oxidising gas in vapour phase by separately preheating titanium tetrachloride and oxidising gas separately preheating titanium tetrachloride and oxidising gas separately in indirect manner to such a temperature that the mixed gas temperature is at least 800°C introducing the preheated oxidising gas through the second inlet and titanium tetrachloride through the first inlet of the elongated reaction and introducing a combustible gas into the reactor to raise the mixed gas temperature to 5° to 200°C.*

127011. CKD Praha Oborovy Podnik. An electric circuit for controlling a motor vehicle. Accepted on 10th March 1972.

*Comprising a thyristor pulse converter, a battery, main generator, armature current and voltage control units armature and field current sensing devices, field current control unit, an inverter charging generator, speed sensing device nonlinear unit and regulator for the combustion engine.*

127048. Polychem Limited. A process to electroplate polystyrene or like material. Accepted on 13th March 1972.

*Consists of the steps of cleaning conditioning sensitizing and activating the article followed by electroplating by conventional process.*

127063. Hindustan Lever Limited. Dentifrice compositions. [Addition to No. 113453]. Accepted on 6th March 1972.

*By comprising a cleansing and polishing ingredient a synthetic amorphous, porous silica xerogel humectant foaming agent and binding agent.*

127068. S. S. J. Bahadur and Mrs. Hansa Bahadur. Novel self-righting liquid containers to minimise spillage. Accepted on 5th March 1972.

*Characterised in that the height of the centre of gravity of the container from the base is less than the distance between the centre of the base and the periphery.*

127069. E. L. Summer. Combination centre punch and light chiselled. [Addition to No. 118383]. Accepted on 15th March 1972.
- Comprises arhandle, a guide rod, a striker co-operating with said guide rod and a sharp edged tool wherein the said tool is integral with said guide rod.*
127074. Girling Limited. Automatic slack adjuster for vehicle brake. (18th June 1969). Accepted on 15th March 1972.
- Comprising first and second screw elements having a reversible screw thread connection therebetween and being disposed between first and second members movable relative to one another upon brake application.*
127077. Dr. Karl F. Nagele Feinmaschinenbau. A method of and apparatus for manufacturing a continuous stringer for a sliding clasp fastener. Accepted on 14th March 1972.
- The manufacturing takes place from a shaped strand of a plastics material, which has a periodically varying angle of inclination, being coiled continuously on a fixed mandrel and subsequently withdrawn therefrom.*
127104. Ethncon, Inc. Polypropylene non-absorbable suture. Accepted on 16th March 1972.
- Relating to an isolatic polypropylene monofilament suture the diameter of which is in the range of from about 0.002 inches to about 0.020 inches.*
127109. Nippon Kokan Kabushiki Kaisha. Steel for low-temperature services. Accepted on 15th March 1972.
- A steel for low temperature service consisting of 0.04-0.013% carbon, 0.15-0.3% Si, 0.30-0.90% Mn, 8.50-9.50% Ni, 0.020-0.060% Al, 0.008-0.020% N, upto 0.01% P, upto 0.01% S and the balance iron and incidental impurities.*
127111. C. M. Parekh. Process for production of pulp from pulpable fruits. Accepted on 16th March 1972.
- Comprises (i) treating the fruits with a solution of cleansing as well as wetting agent for a short time (ii) immersing in a cold running water, (iii) cutting it to a size of not more than 4" length (iv) passing it through a sieving machine blending with sugar syrup acid, flavour and colour (v) passing the said blend through a fine pulping machine.*
127150. Montecatini Edison S.p.A. Catalyst and process for polymerization of olefines using the same. Accepted on 8th March 1972.
- Comprising reacting a hydride of metal organic compounds and the product obtained by contacting an addition compound of a titanium compound with an electron donor and a support.*
127151. Council of Scientific and Industrial Research. Improvements in or relating to the preparation of cadmium selenide for use in photoconductive cadmium selenide cells. Accepted on 8th March 1972.
- An aqueous solution of cadmium nitrate or acetate is interacted with an aqueous solution of sodium selenosulphate in optimum conditions of pH around 10 obtained by adding sodium hydroxide.*
127174. Council of Scientific and Industrial Research. A process for the recovery of zinc and carbon electrode from waste dry cells. Accepted on 8th March 1972.
- Cutting open the dry cell and removing the carbon electrode, and scraping the cell to remove the products of cell reaction, the cell cover having impure zinc is washed with water and melted with carbon coating, and the pure zinc thus obtained is cast.*
127184. Pirelli General Cable Works Limited. Jointing of cable core to a bother conductor by welding. (26th June 1969). Accepted on 16th March 1972.
- Comprises applying clamping means and sealingly interconnecting the oil ducts of the core and the conductor by a hollow duct pin, welding them and applying suction to remove leaking oil.*
127197. J. H. Fenner & Co., Limited. Improvements in nad relating to the folding of flexible sheet materials. Accepted on 16th March 1972.
- Comprises a horizontal support for supporting a flexible sheet with a portion lying other a transverse edge of the support, a flexible cord with a horizontal portion arranged above and beyond said edge, means for downwardly deforming the cord and means for tensioning the cord.*
127200. A. Pitner and Nadella. Improvements in or relating to universal joints. Accepted on 8th March 1972.
- Comprises two branches conceived inwardly near bores in said branches and method of producing universal joint fork comprises cutting a blank of sheet metal, folding end portions parallelly bending the portion between them into cylindrical form, forming two apertures in said end portions.*
127224. Avica Equipment Limited. Improvements in and relating to nuts. (24th June 1969). Accepted on 8th March 1972.
- Comprises an internally screw threaded portion and a driving portion each portion being provided with ratchet members having interfitting teeth co-operating surfaces, the ratchet member being discrete and having keys engaging between keys of the driving and threaded portions.*
127250. Fried Krupp G. M. B. H. Process for the recovery of p-xylene by crystallations. Accepted on 16th March 1972.
- Comprising separation of crystalline product from adhering molten liquor and rinsing with an inert medium followed by centrifuging the filter cake.*
127252. Montecatini Edison S.p.A. Catalyst for the polymerization of olefines process for polymerizing ethylene using the catalyst and polyethylene obtained therefor. Accepted on 8th March 1972.
- Characterized by grinding  $Ti[N(C_6H_5)_3]_4$  and anhydrous  $MgCl_2$  under an  $20^\circ C$  for 40 hours in a glass mill containing 550g of steel balls having 0.5 mm diameter.*
127358. Associated Electrical Industries Limited. Protective relays. Accepted on 8th March 1972.
- Including a trip inhibiting inrush current detector comprising means for producing a square wave pulse having a duration dependent on the time an instantaneous quantity representative of inrush current is above a predetermined level and measuring means for determining the intervals between the pulses.*
127546. Siemens Aktiengesellschaft. Improvements in or relating to arrangements for measuring currents in high tension conductors. Accepted on 16th March 1972.
- Comprising a modulator at high voltage location having a radiation deflecting device deflecting oscillators from a transmitter on to a receiver at the low voltage location and having properties which are functions of the current being measured.*
127579. Spectral Data Corp. A multispectral photographic film projector. Accepted on 7th March 1972.
- Comprising projection lamps, filters, condensing lenses, desaturation lamps, partially reflective mirror means, and projection lenses.*
127622. F. W. Kantor. An absorption refrigerating and heating apparatus. Accepted on 9th March 1972.

- Comprises a rotor, first conduit means extending between first and second radial positions with respect to the rotational axis of rotor, means at second position for separating first fluid in gaseous form from second fluid, second conduit means extending from second radial position towards axis at third radial position, means at third position for liquifying gas, third conduit means to convey liquified gas from third radial position to a fourth radial position, means at fourth position for adding heat to liquified gas and evaporating, fourth conduit means extending between fourth and first radial position and fifth conduit means arranged to convey the second fluid from third position back to first.
127666. RCA Corporation. Apparatus for reconstructing a phase hologram. Accepted on 15th March 1972.
- Having a source of optional energy positioned such that the readout beam impinges upon the hologram surface at a given angle of incidence with respect to the viewing means which results in an image of the hologram being positioned in a fixed area of viewing means when the hologram surface has predetermined orientation with respect thereto.
127667. RCA Corporation. Apparatus for playing back a phase hologram. Accepted on 15th March 1972.
- Comprising means for orienting the readout beam, hologram surface, and the viewing means, with respect to each other to provide that unique valve for the angle of incidence of the readout beam which results in a minimum of movement of the image of the hologram with respect of any given variation in said angle of incidence.
127751. Council of Scientific and Industrial Research. A process for the regeneration of used lubricating oils. Accepted on 15th March 1972.
- Comprising treating the oil with 8-10% activated bleaching earth, 1% water (both w/w on used lubricating oil) at a temperature in the range of 200—230°C for 30 minutes over steam blanket.
127760. N. I. A. Ruder. Sight for use on firearms. Accepted on 16th March 1972.
- Comprising a housing having a rearward opening a light unit and aperture means in said housing to form of light emitted by said unit a luminous spot visible through said opening.
127824. British Titan Limited, formerly known as British Titan Products Company Limited. Process for the removal of iron from iron containing titaniferous materials. (31st July 1969). Accepted on 16th March 1972.
- Heating the particulate iron-containing titaniferous material under oxidising conditions to a temperatures in the range 700 to 900°C to oxidize the iron content to ferric state, reducing the iron content to ferrous state by reducing agent at 600—1100°C, leaching the iron contained in the reduced material with aqueous hydrochloric acid to form ferrous chloride solution.
127825. Agripat S. A. New substituted azabicycloalkanes, process for their production and herbicidal compositions containing them. Accepted on 13th March 1972.
- Comprises reacting azabicycloalkani or its acid addition salts in the presence of a base lither with a thiocarbonyl halide or with phosgene or thiophosgene and alkali metal salt of the alkanol.
127852. Sandoz Ltd. Polyazo dyes, their metal complex compounds, their production and use. Accepted on 8th March 1972.
- Characterized by coupling diazotized 1-amino-4-hydroxybenzene -6-carboxylic acid with 1, 3-dihydroxy benzene and further coupling the product thus formed with 1-amino-2-sulpho-4-nitrobenzene to achieve the final product which when reacted with chromium for male yields the chromium complex of the dye.
127908. A. Pitner & Nadeila. Method for welding a rolled cage for a needle or roller bearing. Accepted on 8th March 1972.
- Disposing rolled strip between two jaws having one part which constitutes a welding electrode inserting between the two end bars of the cage an insulating spacer member, clamping the two jaws together and putting the adjacent ends of the rim portions in mutually abutting relation.
127984. W. C. Heracus GMBH. Process for coating of a pan with a layer of hard substance. Accepted on 15th March 1972.
- Characterising a coating layer precipitated in vacuum from reaction of carbon, nitrogen and/or boron ions from by high frequency plasma discharge and of small particles melting above 1300°C sputtered off from high frequency excited equipment.
128189. The Worcester Valve Company Limited. Improvements in or relating to servo-systems. Accepted on 16th March 1972.
- Compising means for varying the relationship between input signal and output servo-valve movement and means for varying the amplification of the output valve movement relative to the input signal.
128191. The Wheelabrator Corporation. An improved centrifugal wheel. Accepted on 28th February 1972.
- The improvement wherein the ratio of the total of the radii of the central opening and the length of each blade to the radius of the central opening is from 1.5 to 1 to 2.75 to 1.
128197. Hayday Valve and Equipment Company (Proprietary) Limited. Improved valve. Accepted on March 1972.
- Including a diaphragm closure member a pintle in an aperture in the diaphragm and movable relative to movement of an auxilliary valve located to flow through a by-pass passage.
128226. A. J. Crisafulli. Centrifugal pump. Accepted on 8th March 1972.
- A rotary centrifugal pump means mounted on the frame means, pump includes means for reducing vortex formation about the intake ports and includes arcuate baffle members secured to the pump casing in overlying relation to said ports.
128295. Eastman Kodak Company. Photographic processing. Accepted on 3rd March 1972.
- Wherein the first developer has a pH of 0.1 to 0.6 containing at least 0.5 grams per litre of hydroquinone and at least 0.5 grams per litre of 1-phenyl-3-pyrazolidine.
128335. N. P. B. Menon. A device for constructing barbed fencing and like enclosures. Accepted on 8th March 1972.
- Comprises a dispensing or laying unit which has means for automatically twisting plane barbed tape, means comprises mainly a pair of feed rollers, a pair of discharge rollers and a common support for the feed rollers and the discharge rollers.
128361. Ralston Purina Company. Method for producing expanded textured protein product and product obtained thereby. Accepted on 10th March 1972.
- Comprises mixing together ingredients comprising oleaginous seed materials containers at least 35% protein and water at a final pH of 4.5 to 7, heating at atmospheric pressure to expand the mixture and cooling the expanded product.
128362. Ralston Purina Company. Process for forming edible protein fibers. Accepted on 10th March 1972.

*Comprises forming a slurry of proteinaceous materials, heating the slurry to above 165°C under 50 to 5000 psig pressure cooling the slurry and conducting the same through an orifice into a collecting zone.*

128385. Shell Internationale Research Maatschappij N. V. Process for hydrogenative cracking of carbonaceous material and hydrocarbons or hydrocarbon oils so produced. (12th June 1970). Accepted on 13th March 1972.

*Contacting the carbonaceous materials on a temperature of from 200 to about 550°C and pressure of at least 17.5 atoms in the presence of hydrogen a catalyst containing at least one of the halides and zinc chloride zinc bromide, zinc iodide antimony chloride, antimony bromide, antimony iodide, bismuth chloride, bismuth bromide, tin, bromide, titanium iodide arsenic iodide mercuric bromide mercuric iodide and gallium bromide.*

128386. Tedeco Textile Development Co. A/S. Apparatus for treatment of fabrics with liquid ammonia. (28th April, 1970). Accepted on 13th March, 1972.

*Comprising a control means intermediate the first and second feed means for varying the speed of the first means relative to the second means.*

128393. Aktiebolaget Vibro-Verken. Vibrating roller. Accepted on 13th March 1972.

*Comprising roller drum, resilient elements and vibrating device so that they form a two-mass-vibration system having predetermined natural frequency.*

128406. The Goodyear Tire & Rubber Company. Process for improving cationic dyeability of polyesters and polyesters therefrom. Accepted on 8th March 1972.

*Comprises treating the polyester during or after polycondensation, at elevated temperature, with a suitably substituted salt of an alkoxy benzene sulphonic acid.*

128412. Council of Scientific and Industrial Research. Improvements in or relating to the electrolytic reduction of nitrobenzene to aniline. Accepted on 14th March 1972.

*Characterized by electrically reducing a suspension of nitrobenzene in a supporting electrolyte of sulphuric acid containing titanous sulphate using copper cathode, the solution is neutralized by alkali and aniline is recovered by steam distillation.*

128463. Persianas Columbia S. A. Improvements in or relating to the opening and levelling of venetian blinds and the method of assembling the same. Accepted on 13th March 1972.

*Means for transmission of tilting movement of slats, means to fasten the opening device actuating strings, means for holding steady the tilted blinds, and means for the positioning and fastening of the commanding mechanism.*

128494. C. A. V. Limited. Liquid fuel injection pumping apparatus. (30th September 1969) Accepted on 8th March 1972.

*Comprising a body part, a rotary distributor member, a pair of plungers, an annular cam ring characterised by its reduced thickness.*

128497. The Dunlop Company Limited. Improvements in or relating to inflation valves particularly for tubeless pneumatic tyres. (23rd September 1969). Accepted on 10th March 1972.

*Comprising a tubular valve stem of elongated form having a passage extending therethrough, the passage being formed with a screw threaded mouth portion in which a valve core may be retained, a portion of the passage being provided with a plurality of projections.*

128505. Gunter Neumann Terrasan-Erzeugnisse. Device and process for fastening rails on sleepers. Accepted on 10th March 1972.

*Characterised in that the supporting plate is provide with pins being integral therewith, the sleeper is provided with holes correspond to said pins, the interstice between the pins and the walls of the holes in the sleeper being filled with synthetic resin.*

128604. Produits Chimiques Pechiney-Saint-Gobain. A wet process for the manufacture of phosphoric acid and calcium sulphate. Accepted on 9th March 1972.

*Reacting calcium phosphate in a medium containing sulphuric acid or a mixture of sulphuric acid and phosphoric acid, separating calcium sulphate from reaction medium by passing reactants into a separation zone, treating calcium sulphate with aqueous solution containing sulphuric acid and washing resulting hydrated calcium sulphate.*

128622. Huttenwerk Oberhausen Aktiengesellschaft. A process for manufacturing green pellets from pelletisable fine iron ore. Accepted on 13th March 1972.

*Mixing fine iron powder with fine iron ore and, with the addition of a low temperature binding medium pelletising the mixture in fluid form.*

128629. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Thermoplastic molding compositions based on polyesters. Accepted on 8th March 1972.

*Consisting essentially a mixture of a linear saturated polyester of an aromatic dicarboxylic acid, a solid particulate inert inorganic substance of grain size of less than 5 microns, sodium, lithium or barium salts of mono- or polycarboxylic acids.*

128669. Associated Battery Makers of Australia Pty. Limited. An intercell connector arrangement for multicell batteries. (2nd October 1969). Accepted on 8th March 1972.

*Characterized in that the cell wall in deformed before, during and/or after joining together of the intercell connector.*

128718. Beryl Alice Enid DePenning. A packing for bags filled with a liquid or other materials. Accepted on 10th March, 1972.

*Having a cardboard or like box containing the filled and sealed bag, said box having a prismatic shape and the top corresponding to a lateral wall and the upper base has a double perforation openable by pressure to extract one corner of the bag.*

128834. Steelcity (Mfg) Ltd. Process for producing magnesium hydroxide and active magnesia, deadburned magnesia and refractory shapes made therefrom. (17th October 1969). Accepted on 9th March 1972.

*Treating brine or sea water with alkali to precipitate magnesium hydroxide and washing the precipitated magnesium hydroxide with aqueous alkali.*

128859. Council of Scientific and Industrial Research. Improvements in or relating to a process for solvent dehydration of fish, prawns and other similar products. Accepted on 9th March 1972.

*Subjecting fish to solvent extraction and azeotropic dehydration, dehydration process being further accelerated by ultrasonic irradiation and microdiffusion while maintaining a counter current flow of the solvent.*

128875. Council of Scientific and Industrial Research. An automatic temperature controller. Accepted on 14th March, 1972.

*Comprising a temperature sensor, a bridge circuit to convert the sensor resistive changes into a D.C. signal, D.C. signal amplifier, a comparator and a control circuit acting as switches for a heater placed in the chamber.*

129054. Ciba-Geigy AG. Azo compounds, process for their manufacture and use. Accepted on 8th March 1972.

- Comprising reacting acylated N, N-bis-B-hydroethyl-m-chloroaniline with diazotization product of 2-cyano-4-nitro-aniline and N-nitro-yl sulphuric acid.*
129061. The Goodyear Tire & Rubber Company. Improvements in prevention of fouling of cooling means for controlling the exotherm during polymerization of polymerizable monomers. Accepted on 15th March 1972.
- Comprising circulating a coolant through the condenser.*
129309. E. I. du Pont de Nemours and Company. Titanium nitride—titanium carbide compositions. Accepted on 15th March 1972.
- Comprising 10 to 90 percent titanium nitride and 90 to 10 volume percent titanium carbide, density 99 percent in excess of theoretical and average grain size less than 2 microns, hot pressed.*
129487. General Mills, Inc. Cyanoethyl ether of galactomannan gum and process for preparing the same. Accepted on 16th March 1972.
- Comprising (a) heating an alkaline mixture of galactomannan gum, water and acrylonitrile, (b) thinning the mixture by adding water (c) continuing the heating until the mixture becomes very viscous and (d) repeating the steps (b) and (c) until there is no substantial increase in viscosity.*
129489. H. Bavnsfelt. Improvements in or relating to appliances for dispensing material from a container. Accepted on 10th March 1972.
- Comprises a first tubular member arranged to abut the rim of the neck of the container, a second tubular member having an internal flange and a female thread and a screw cap fitting over the first tubular member and having a female thread for engagement with a male thread on the tubular part of the second tubular member.*
129495. The Firestone Tire & Rubber Company. Propulsion and processing apparatus for flowable materials. Accepted on 9th March 1972.
- Comprising a carrier arranged to rotate and a plurality of discs disposed along the axis of the carrier.*
129501. British-American Tobacco Company Limited. A smoke filter and a method for the production thereof. (24th December 1969). Accepted on 10th March 1972.
- Comprises smoke filter material in sheet form coated on either one or both sides with cellulose acetate.*
129526. Sandoz Ltd. Stilbene compounds, process for the production thereof and their use as optical brighteners. Accepted on 15th March, 1972.
- Reacting 2 mols of cyanuric halide with (a) 1 mol of 4, 4'-diaminastilbene-2, 2'-disulphonic acid (b) 0 to 2 mols of aminobenzene and (c) 2 to 4 mols of an amine.*
129596. K. K. Xavier. An improved hammer and trigger mechanism for a single barrel breech loader (shot gun). Accepted on 8th March 1972.
- A hammer is arranged vertically and adapted to work in a slot in the breech abutment block of the gun, a spindle having its rear end screwed to the lower side of said hammer and a spring mounted on said spindle for keeping the latter in constant tension.*
129597. K. K. Xavier. An improved hammer and trigger mechanism for a double barrel breech loader (shot gun). Accepted on 8th March 1972.
- Two parallel plate attachments with a wing like partial flange on each fixed on the bottom face of the breech abutment block and the front end of trigger guard common for both triggers is fixed on the bottom face of said plate attachments.*
129684. H. F. A. Topsoe and Fluor Corporation. Catalytic steam cracking of hydrocarbons and catalysts therefor. (23rd December 1969). Accepted on 8th March 1972.
- Comprising using a catalyst containing at least 50% by weight of zirconium oxide 5% by weight of alumina 5% by weight of at least one oxide of chromium manganese or iron and at least one alkali metal or alkaline earth metal.*
129685. H. F. A. Topsoe and Fluor Corporation. Catalytic steam cracking of hydrocarbons and catalysts therefor. Accepted on 8th March 1972.
- Comprising the use of zirconium oxide prepared from a raw material of which at least a part is amorphous zirconium oxide together with 0.1—10% of an alkali metal compound calculated as oxide.*
129710. H. Holloway. Improvements in apparatus for performing the immiscible refrigerant freeze process for purifying water. Accepted on 10th March 1972.
- Having a crystalliser section with a first sub-section forming at least one injection zone having provision for injection of a refrigerant into impure water to produce an ice crystal slurry, a second sub-section for removal of droplets for refrigerant entrained in ice slurry.*
129780. B. Jain. An improved umbrella. Accepted on 14th March 1972.
- Comprising a handle stick, a plurality of sets of ribs, each set having two ribs and stop means under the crown to determine the umbrella open position.*
129806. Mitsui Toatsu Chemicals, Incorporated. Process for manufacturing granular compound fertilizer. Accepted on 13th March 1972.
- By mixing ammonium salts with a monomeric substance pressing the mixture under heating and crushing the said plate to obtain granules of the compound fertiliser.*
129831. Universal Oil Products Company. C<sub>8</sub>-alkylaromatic isomerization process. Accepted on 15th March 1972.
- Isomerizing a C<sub>8</sub>-alkylaromatic hydrocarbon in contact with an isomerisation catalyst comprising an inorganic oxide.*
129884. OY Tampella AB. Apparatus for storage and transport of Projectiles, particularly finstabilised projectiles. Accepted on 8th March 1972.
- Comprising compartments for storing projectiles characterised in that the holder rings surround the projectile to be inserted at or near their largest diameter, and further holder rings or annular parts holding the projectiles at their tapered head portion at an oblique angle to the holder plates surface.*
129885. Cawood Wharton and Company Limited. Improvements in or relating to heat treatment of bodies of combustible material. Accepted on 14th March 1972.
- Continuously moving a bed of the bodies in such manner that the individual bodies do not move relatively to one another and directing heated granular material onto the upper surface of the continuously moving bed.*
129917. N. V. Philips' Gloeilampenfabrieken. Improvements in and relating to methods of manufacturing a semiconductor device. (15th January 1970). Accepted on 16th March 1972.
- Characterised in that the semiconductor body is provided with a non-planar semiconductor body surface having thereon an insulating and passivating layer which is interrupted by a plateau portion of the non-planar semiconductor body surface and an impurity element.*
130043. Melle-Bezons S. A. Process for the continuous production of  $\beta$ -methoxy aldehydes. Accepted on 8th March 1972.

*Condensing a mixture of methanol and an  $\alpha$ - $\beta$  olefinic aliphatic aldehyde by passing the mixture over and through a fixed bed of a catalyst constituted by calcium hydroxide deposited on an adsorbing carrier placed in an elongated reaction zone.*

130088. Solvay et Cie. Process for the preparation of a ziegler-natta type catalyst. Accepted on 9th March 1972.

*Process for the preparation of a catalyst for the polymerisation of olefins wherein a catalyst which contains brown  $TiCl_3$  is transformed to a stereospecific violet catalyst by contacting with  $TiCl_4$  at a temperature below  $100^\circ C$ .*

130183. Jawa, narodni podnik. Headlight for motor vehicles. Accepted on 8th March 1972.

*Consisting of a mirror parabolical insert, an output glass surface and a headlight cone connected by means of a resilient ring which is slipped on a periphery of the connected parts such that those parts are continuously lightened together.*

130200. Abex Corporation. Machine tools. Accepted on 17th March 1972.

*Comprising a drill support head a motor, a reciprocal carriage guide means, means for reciprocating the carriage and means for shifting the slide with the carriage.*

120217. Borga Fabriks Aktiebolag. A method of operating energy absorbers and an apparatus therefor. Accepted on 16th March 1972.

*Characterised in that along opposite end walls are located equal pressure channels through which a minor portion of the return liquid from the guide vane ring is passed to the rotor inlet.*

130267. Standard Telephones and Cables Limited. An improved electric cable. (26th February 1970). [Addition to No. 122854]. Accepted on 8th March 1972.

*Wherein the plastics paper laminate is longitudinally wrapped with overlap around the conductor leaving a plastics surface outer most the outer-overlapping part of the overlap being folded back on itself to provide contacting plastics surface which are sealed to present a circumferential plastics surface.*

131234. Dayco Corporation. Asymmetric variable speed drive. Accepted on 16th March 1972.

*Wherein the inner surface of the axially non-movable flange member of the driving and driven sheaves respectively form an angle of from  $0$  to  $6^\circ$  and surface of the movable flange member of the said sheaves form an angle of from  $12$  to  $26^\circ$  with the plane perpendicular to the axis of rotation.*

131289. Texaco Development Corporation. An electrical indicator for pneumatic controls system. Accepted on 8th March 1972.

*Comprising a plurality of first switches for actuator in response to process parameters a plurality of relays respectively to the switches and each of a plurality of second switches of the relay being connected into an energising circuit for a respective one of the other relays.*

131304. Dr. S. Raviv. Polishing of metals. Accepted on 9th March 1972

*Connecting the body as cathode in electrolytic system and then reversing the polarity of the body and allowing electric current to flow.*

131320. Danfoss A/S. A voltage regulated direct-current supply system. Accepted on 8th March 1972.

*In which a control means for controlling an element by impulse comprises a frequency emitter a monostable multivibrator an impulse regulating circuit which in turn is controlled by a discriminator and a sum and difference amplifier.*

131556. Walchandnagar Industries Limited and Jyoti Prasad Mukherji. Improvements in or relating to scrapers for discharging material retained inside centrifugal baskets. Accepted on 15th March, 1972.

*Comprises an upright column to which are attached two or more shoes for scraping all the said shoes being in alignment with one another.*

131462. Joseph Lucas (Industries) Limited. Battery charging systems for road vehicles. (13th June 1970). Accepted on 8th March 1972.

*Wherein the full wave rectifier comprises four thyristors and two diodes and means sensitive of disconnection of the battery so that gate current is removed from the thyristors.*

132186. Libbey-Owens-Ford Company. Soldering. Accepted on 16th March 1972.

*Comprises applying heat to plurality of areas layer assembly and feeding simultaneously a separate supply of solder to each heated area.*

132197. Joseph Lucas (Industries) Limited. Braking system for vehicles. (28th July 1970). Accepted on 16th March 1972.

*Differentiating circuit acts as a memory to monitor loss of wheel speed when the output of said circuit is clamped the memory permitting unclamping of the said circuit output, and reapplication of the brakes dependent on the monitored wheel speed loss signal.*

132312. Joseph Lucas (Industries) Limited. Starting systems for road vehicles. (19th August 1970). Accepted on 17th March 1972.

*Comprises in combination a battery a starter motor, a pair of solenoid contacts, the solenoid including a pull in winding and a hold-in winding, wherein the pull-in winding over-lays the hold in winding.*

132725. FMC Corporation. Butterfly valve seat. [Divisional date 20th July 1970]. Accepted on 13th March 1972.

*Comprising an annular seat of resiliently compressible material to be positioned at inner wall of the valve, retainer bonded to the seat having ends former reservoir.*

134517. Imperial Chemical Industries Limited. Process for the preparation of aluminium phosphate. [Divisional date 4th June 1970]. Accepted on 4th March, 1972.

*Comprises decomposing by heating a halogen-containing complex phosphate of aluminium containing at least one chemically-bound molecule of a hydroxy compound R-OH wherein R is a hydrogen atom or an organic group.*

134533. Imperial Chemical Industries Limited. Process for the preparation of fibres. [Divisional date 4th June 1970]. Accepted on 4th March 1972.

*Comprising fiberising a composition comprising a solution in water or an organic solvent of a halogen-containing complex of aluminium containing at least one chemically-bound molecule of a hydroxy compound R-OH and drying the fibre so formed.*

134534. Imperial Chemical Industries Limited. Process for binding solids. [Divisional date 4th June 1970]. Accepted on 4th March 1972.

*Comprising mixing solids with a composition comprising a solution in water or an organic solvent of a halogen-containing complex phosphate of aluminium containing at least one chemically bound molecule of a hydroxy compound R-OH, the No. of gram atoms of aluminium to the number of gram atoms of phosphorus in the complex phosphate being 1:1 and removing the solvent.*

134558. N. P. B. Menon. A retrieving apparatus for preparing a spool of plain barbed tape. [Divisional]



date 8th September 1970]. Accepted on 8th March 1972.

*Comprises an unwinding unit having a flattening mechanism supported on a stanchion or upright bar for flattening said tape and an empty spool on which the flattened tape may be wound.*

134559. N. P. B. Menon. Barbed tape. [Divisional date 8th September 1970.] Accepted on 8th March 1972.

*Consists of a continuous length of steel strip which is slotted on either side thereof so as to produce a multiplicity of barbs at a predetermined distance apart from one another.*

134630. Imperial Chemical Industries Limited. Process for coating a surface. [Divisional date 4th June 1970]. Accepted on 4th March 1972.

*Comprises applying to the surface a composition comprising a solution in water of an organic solvent of a halogen-containing complex phosphate of aluminium containing at least one chemically bound molecule of a hydroxy compound R-OH, and removing the solvent.*

134754. Laporte Titanium Limited. Improvements in and relating to the manufacture of titanium dioxide. (10th June 1969). [Divisional date 9th June 1970]. Accepted on 9th March 1972.

*Comprises separately preheating titanium tetrachloride and oxidising gas to obtain mixed gas temperature of 700°C introducing the gases in reactor, introducing combustible gases to raise mixed gas temperature above 200°C and below 300°C.*

#### Patents Sealed

119280 119993 120595 122053 124529 124568 124591 124608  
124626 124845 124959 125475 125601 125675 125819 125860  
125862 125899 126021 126044 126105 126197 126239 126357  
126368 126518 126556 126569 126581 126656 126671 126817  
126825 126839 126862 126946 127157 127169 127203 127247  
127506 127514 127567 127786 127819 128002 128139 128227  
128235 128259 128260 128541 128577 128780 129004 129005.

#### Amendment Proceedings

The amendments proposed by Joseph Lucas (Industries) Limited in respect of application for patent No. 121675 as advertised in Part III, Section 2 of the Gazette of India dated the 9th October 1971 have been allowed.

#### Renewal Fees Paid

60127 60173 60174 60701 63073 63423 63430 63435 63465  
63498 63550 63557 63837 64028 64065 64328 65787 67043  
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114985 114986 114987 114988 114989 115002 115005 115007  
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115490 115519 115530 115531 115566 115682 115736 115954  
116031 116297 116334 116335 116336 116451 116564 116639  
117386 117536 117541 117600 118320 118668 120290 120358  
120361 120500 121948 122359 62681 62682 62684 62687

#### Cessation of Patents

62681 62682 62684 62687 62693 62701 62702 62705  
94075 94078 94079 94081 140459 110460 110462 112732  
112736 112737.

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided or in Section 50 of the Indian Patents and Designs Act.

The dates shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 1. No. 138905. Gurdit Singh and Lal Singh, 4-2, Azad Road, Nauchandi Meerut City (U.P.) Indian national. "A gas regulator", August 16, 1971.

Class 3. Nos. 139118 to 139120. Camlin Private Limited, an Indian Company, Kurla Andheri Road, J. B. Nagar, Bombay 59 A. S. Maharashtra "Bottle" October 29, 1971.

Class 3. No. 139252. J. K. Helene Curtis Limited, a Public Limited company incorporated in India under the Indian Companies Act and having its Registered Office at J. K. Building, Durgam Road, Ballard Estate, Bombay 1, State of Maharashtra, India, "A bottle", 29th November 1971.

**Copyright Extended for a Second Period of Five Years**  
Design Nos. 130954, 130235, Class—1.

Design Nos. 130236, 130237, 130532, 130933, 130164, to 130169 Class—3.

Design No. 130238 Class—4.

Design Nos. 130170 to 130172 Class—10.

**Copyright Extended for a Third Period of Five Years**

Design No. 113178 Class—1.

Design No. 113055 Class—3.

S. VEDARAMAN,  
Controller General of Patents,  
Designs and Trade Marks.

